

# Department of Agricultural Meteorology

**Department was created** : 1997

**M.Sc. Programme started** : 2001

**Ph.D. Programme started** : 2010

## **Faculty Position:**

**Non Plan-03** : Assoc. Prof. 01 (Vacant),  
Asstt Prof. 02 (Filled-1)

**Plan (03)** : Assoc.Prof. 01 (vacant)  
Asstt. Prof. 02 (Filled)

**Name of Scientist** : Dr. Sita Ram Mishra

**Designation** : Incharge/ Asstt. Professor

**Department** : Agricultural Meteorology

## **Research work (2015 - onward)**

**i. Name of projects with funding agencies : Nil**

**ii. Project submitted:**

- ❖ National Mission on Strategic knowledge for Climate Change (NMSKCC) Department of Science & Technology (DST), Govt. of India dated 20.06.2016. (Co-PI) (Release of budget awaited)

**iii. Publications : 16 (NAAS rating 3.15 - 6.0)**

**iv. Recommendation/ Product Development : Nil**

## Teaching work (2015 - onward)

Semester	Course No.	Course Title	Credit hrs	Self Credit load
1 <sup>st</sup>	AGM-111(N)	Agricultural Meteorology	1(1+0)	1.0
	FAEM-111(N)	Meteorology Climatology & Geography	2(1+1)	1.0
	AGM-211	Environmental studies & Disaster Management	3(2+1)	3.0
	CC-111	Environmental studies & Disaster Management	3(2+1)	3.0
	AGM-511	Fundamentals of Meteorology	3(2+1)	3.0
	AGM-514	Micro- Meteorology	3(2+1)	3.0
	AGM-591	Seminar	1(0+1)	1.0
	AGM-611	General Meteorology	3(3+0)	3.0
	AGM-612	Agricultural Meteorology	3(1+2)	1.5
	AGM-616	Operational Agrometeorology	3(3+0)	1.5
2 <sup>nd</sup>	ES-321 (N)	Environmental Science	2(1+1)	1.0
	AGM-221	Introductory Agrometeorology and climate change	2(1+1)	2.0
	AGM-521	Fundamentals of Agril.Meteorology	3(2+1)	1.5
	AGM-525	Weather forecasting & weather based Agro-advisory	3(2+1)	1.5
	AGM-527	Fundamental of Climatology	3 (3+0)	3.0
	AGM-622	Environmental Management	3(2+1)	3.0
	AGM-623	Crop Weather Modeling	3(1+2)	1.5
	AGM-626	Weather Modification	2(2+0)	1.0
	AGM-691	Seminar	1(0+1)	1.0

**Number of students guided**

**M.Sc. : 09**

**Ph.D. : 03**

**Number of students guiding**

**M.Sc. : 05**

**Ph.D. : 02**

**Work plan for 2018-2019:**

- ❖ Teaching will be done as per guideline of Dean. Project proposal for the external funding will be submitted.



**Name of Scientist**

: Dr. Anil Kumar Singh

**Designation**

: Asstt. Prof./ Jr. Scientist

**Department**

: Agricultural Meteorology

# Research work (2015-onward)

## i. Name of projects with funding agencies:

- (a) All India Coordinated Research Project on Agrometeorology (ICAR 75:25%)
- (b) AICRP on Agrometeorology-NICRA (ICAR 100%)

## ii. Project submitted:

- ❖ National Mission on Strategic Knowledge for Climate Change (NMSKCC) submitted to DST, Govt. of India, New Delhi dated 20.06.2016. (Release of budget awaited) (Co-PI)

## iii. Publications : 17 (NAAS rating: 3.15-5.21)

Technical bulletins : 02

## iv. Recommendation/ Product Development:

- ❖ Flowering initiation in rice at 29-30<sup>0</sup>C (occurred on 1-5 Sept.) recorded higher yield about 46-47 q/ha.
- ❖ July 5<sup>th</sup> transplanting of rice in the region is more thermal use efficient and profitable over delayed transplanting (July 25<sup>th</sup>).
- ❖ A thermal model for phenophasic prediction in wheat developed using Growing Degree Day (GDD)/ Thermal unit for predicting the onset of any particular phenophase.

## Teaching work (2015 onward)

Semester	Course No.	Name of course	Credit hrs	Self Credit load
1 <sup>st</sup>	FAEM- 111	Meteorology & Geography	2(1+1)	1.0
	AGRON-212(N)	Organic farming	3(2+1)	1.5
	AGM-512	Agrometeorological Instrumentation	3(1+2)	1.5
	AGM-515	Evapotranspiration	3(2+1)	1.5
	AGM-516	Applied Agrometeorology	3(3+0)	1.5
	AGM-612	Agricultural Meteorology	3(1+2)	1.5
	AGM-616	Operational Meteorology	3(3+0)	1.5
	AGRON-519	Agronomic Field experimentation	2(1+1)	1.0
2 <sup>nd</sup>	ES-321 (N)	Environmental Science	2(1+1)	1.0
	AGM-521	Fundamentals of Agril.Meteorology	3(2+1)	1.5
	AGM-525	Weather forecasting & weather based Agro-advisories	3(2+1)	1.5
	AGM -622	Environmental management	3 (2+1)	1.5
	AGM-623	Crop-weather modelling	3(1+2)	1.5
	AGM-626	Weather Modification	2(2+0)	1.0
	AGRON-521	Principles & practices of Water management	3(2+1)	1.5
Additional 1 <sup>st</sup> 2016-17	Agron-111 (V)	Fundamentals of Agronomy	4(3+1)	1.3

**No of student guided**

**M.Sc. : 12**

**Ph.D. : 04**

**No of student guiding**

**M.Sc. : 05**

**Ph.D. : 03**

**Work plan for 2018-2019:** Research works will be done as per mandate of Projects. Teaching will be done as per courses assigned by HOD/ Dean. Project proposal for the external funding will be submitted.



**Name of Scientist**

: Amar Nath Mishra

**Designation**

: Asstt. Prof./ Jr. Scientist

**Department**

: Agricultural Meteorology

# Research work (2015-onward)

## **i. Name of projects with funding agencies:**

1. Gramin Krishi Mausam Sewa-GKMS (Ministry of Earth Sci. Govt. of India 100%).
2. Forecasting Agricultural Output using Space, Agrometeorology and land based Observations-FASAL (Ministry of Earth Sci. Govt. of India 100%).

## **ii. Project submitted:**

- ❖ National Mission on Strategic Knowledge for Climate Change (NMSKCC) submitted to DST, Govt. of India, New Delhi on dated 20.06.2016. (PI) (Release of budget awaited)

## **iii. Publications: 14 (NAAS rating 3.15-5.21)**

## **iv. Recommendation/ Product Development:**

- ❖ On the basis of weather forecast analysis farmers are recommended to followup the agromet advisory services to minimise the crop losses from aberrant weather conditions/weather hazards.



# Teaching work (2015 – onward)

Semester	Course No.	Course title	Credit hrs	Self Credit load
1 <sup>st</sup>	AGM-512	Agrometeorological Instrumentation	3(1+2)	1.5
	AGM-515	Evapotranspiration	3(2+1)	1.5
	AGM-516	Applied Agrometeorology	3(3+0)	1.5
2 <sup>nd</sup>	AGM-521	Fundamentals of Agril. Meteorology	3(2+1)	1.5
	AGM-522	Crop Weather Modelling	2(1+1)	1.0
	AGM-525	Weather forecasting and weather based agro-advisory	3(2+1)	1.5
	ES-321	Environmental Science	2(1+1)	0.6
Additional courses 1 <sup>st</sup> 2016-17	PHY-111	Engineering Physics	3(2+1)	3.0
	BPP-111	Physics – I	3(2+1)	3.0
	PHY-111 (R)	Engineering Physics (Old)	3(2+1)	3.0
	PHY-121(R)	Engineering Physics	3(2+1)	3.0
2 <sup>nd</sup> 2016-17	BPP-121	<b>Physics-II</b>	3(2+1)	3.0
	PHYS-121	<b>Engineering Physics</b>	3(2+1)	3.0

**No. of students guided**

**M.Sc. : 07**

**Ph.D. : Nil**

**No. of students guiding**

**M.Sc. : 04**

**Ph.D. : Nil**

## **Work plan for 2018-2019:**

❖ Research works will be done as per mandate of Projects. Teaching will be done as per courses assigned by HOD/ Dean.

❖ Project proposal for the external funding will be submitted.